

Review Form 3

Journal Name:	Asian Journal of Research in Cardiovascular Diseases
Manuscript Number:	Ms_AJRCD_130039
Title of the Manuscript:	Evaluation of Cardiac Markers and Lactate Dehydrogenase in Blood of New Zealand white Rabbits exposed to Dichlorvos by Inhalation.
Type of the Article	

PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	Overall, this study is very straightforward. The author highlights the levels of CK-MB and Troponin in blood of New Zealand white rabbits exposed to 2, 2-dichlorovinyl dimethyl phosphate (Sniper). The author also concludes elevated levels of certain cardiac specific biomarkers. However, my concern is the absence of evidence to support the involvement of myocardial damage throughout out the paper such as mechanism involved and histological alteration of heart tissue. Therefore, it is necessary to perform experiments to show that exposure to 2, 2-dichlorovinyl dimethyl phosphate induces elevation of cardiac specific biomarkers through diverse of mechanisms including apoptosis, compromised autophagy, inflammosome activation...Etc. in addition to signaling pathways that regulate these mechanism.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, it is suitable for estimated biomarkers.	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes, abstract reflects well the work done throughout the manuscript.	
Is the manuscript scientifically, correct? Please write here.	Yes. But there are many errors throughout the manuscript including method of Troponin I estimation. It was mentioned that it is estimated by ELISA technique but what is described in material and method section not reflects the correct technique procedure. The same thing for lactate dehydrogenase activity determination. It must be well-checked. Moreover, passive past tense must be used in writing through out the material and method section of the manuscript.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	No, little number of references were used through the manuscript. There must be more references concerning introduction and discussion section.	
Is the language/English quality of the article suitable for scholarly communications?	Need English checking	
Optional/General comments	The author indicated that "The anaemic condition coupled with the renal, liver and cardiac damages observed in the present study could be associated with the significant elevation in the LDH levels in the oral chronic study".but; actually no biomarkers were measured to indicate anaemic condition or renal and cardiac damage. In general, the manuscripts should involve more biomarkers that reflect damage of heart and mechanism involved.	

Review Form 3

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

Name:	Mahmoud El Sayed Mohamed Habieb
Department, University & Country	Egypt